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Claim 61:

An isolated nucleic acid molecule which encodes a fragment of a tumor rejection antigen precursor expressed in melanoma cells, wherein the complementary sequence of said isolated nucleic acid molecule hybridizes to the nucleotide sequence set forth in SEQ ID NO: 9 or SEQ ID NO: 10 at 0.1XSSC, 0.1%SDS for 30 minutes at 65°C.

Claim 62:

An isolated nucleic acid molecule which encodes a tumor rejection antigen expressed in melanoma cells, wherein the complementary sequence of said isolated nucleic acid molecule hybridizes to the nucleotide sequence set forth in SEQ ID NO: 9 or SEQ ID NO: 10 at 0.1XSSC, 0.1%SDS for 30 minutes at 65°C.

Claim 65:

An isolated cDNA molecule which encodes a tumor rejection antigen precursor expressed in melanoma cells, wherein the complementary sequence of said isolated nucleic acid molecule hybridizes to nucleotides 2598-3542 of SEQ ID NO: 9 at 0.1XSSC, 0.1%SDS for 30 minutes at 65°C.

Claim 67:

An isolated cDNA molecule which encodes a fragment of a tumor rejection antigen precursor expressed in melanoma cells, wherein said fragment is processed by cell to a tumor rejection antigen, wherein the complementary sequence of said isolated nucleic acid molecule hybridizes to nucleotides 2598-3542 of SEQ ID NO: 9 at 0.1XSSC, 0.1%SDS for 30 minutes at 65°C.

Claim 68:

An isolated cDNA molecule which encodes a tumor rejection antigen expressed in melanoma cells, said tumor rejection antigen consisting of an amino acid sequence that is part of a tumor rejection antigen precursor, wherein said tumor rejection antigen precursor is encoded by a nucleic acid molecule the complementary sequence of which hybridizes to nucleotides 2598-3542 of SEQ ID NO: 9 at 0.1XSSC, 0.1% SDS for 30 minutes at 65°C.